

ABSTRACT

BISTABLE NEMATIC LIQUID CRYSTAL DEVICE

5 A bistable nematic liquid crystal device includes an  
array of upstanding features (10) on at least one cell  
wall (2). The features (10) have a shape and/or  
orientation to induce the liquid crystal director  
adjacent the features (10) to adopt two different tilt  
10 angles in substantially the same azimuthal direction.  
The arrangement is such that two stable liquid crystal  
molecular configurations can exist after suitable  
electrical signals have been applied to the electrodes  
(12, 14).

15